



F. Course Description

Course Name						Computer II											
Course Language						Turkish											
Course Level						Associate Degree ()		First Cycle (x)		Second Cycle ()		Third Cycle ()					
Mode of Delivery																	
Formal (x)				Distance Learning ()				Others (x)									
Course Type						Course Unit Code						Course Code					
Required (x)			Elective ()			ENF						104					
Theory (Hours)			Application (Hours)			Total		Semester		National Credits		ECTS					
2			2			4		Spring/Summer		4		4					
Course Objectives						The aim of this course is teaching computer assisted education (CAE) concepts, designing and evaluating of CAE, applying CAE to his/her training events, provide student's usage of distance learning, database and web based education applications.											
Course Content						Computer hardware, software and operating system, internet and computer networks, word processing, spreadsheet, presentation maker, system security.											
Pre-requisites						Computer I											
Recommended Elective Courses																	
Course Learning Outcomes						Students should be able to: 1. Define the basic concepts of computer based instruction (CBI). 2. Explain application methods of computer based instruction (CBI). 3. Define teacher/student roles in computer based instruction (CBI). 4. Explain spread formats in computer based instruction (CBI). 5. Explain designing of course software, development process, selecting and evaluation approaches. 6. Explain web design rules. Design web based education applications. 7. Explain basics, advantages, disadvantages and applications of distance learning. 8. Design a database and explain database applications.											
Course Coordinator						Instructor Firat YÜCEL											
Course Lecturer(s)						Department Academic Members											
Teaching Methods																	
(x) Oral Presentation				() Case Study				(x) Computer assisted									
(x) Discussion				() Drama				() Laboratory									
(x) Problem Solving				() Invention				(x) Demonstration-Moviations									
() Experiment				(x) Project				()									
Course Notes / Textbooks						1. Güneş, A. (2007). Bilgisayar II: Bilgisayar Destekli Öğretim ve Uzaktan Eğitim. Pegem A Yayıncılık, Ankara. 2. Page, K.A. (2006). Macromedia Dreamweaver 8: Kaynağından Eğitim. Medyasoft Yayınları, İstanbul.											
Evaluation System																	
(x) Direct Conversion System						Relative Assessment											
Measurement and Evaluation System						Requirements				Number		Percentage of Grade					
						Attendance				15		% 10					
						Quizzes											
						Midterm Exam(s)				1		% 25					
						Homework(s) / Seminar(s)											
						Term Assignment(s) / Project				1		% 15					
						Application (Laboratory, Atelier, Field Work, Problem Based Learning- PBL Reports)											
						Others (.....)											
Final Exam				1		% 50											
Total				20		% 100											

Distribution of Topics By Weeks		
Weeks	Topics	Preparatory Work
1	<p><u>Theoretical:</u> Presentation of the course objectives and content</p> <p><u>Practice:</u> Web Design Applications in Education</p>	
2	<p><u>Theoretical:</u> Computer Based Instruction (CBI) Definition Theoretical basics Applications of CBI</p> <p><u>Practice:</u> HTML structure, basic tags</p>	Researching about HTML tags
3	<p><u>Theoretical:</u> Computer Based Instruction (CBI) Educational software Advantages and disadvantages of CBI Teacher/student roles in CBI</p> <p><u>Practice:</u> Linking and Editing in HTML</p>	
4	<p><u>Theoretical:</u> Computer Based Instruction (CBI) Tutorials Exercise Software</p> <p><u>Practice:</u> Tables, forms and frames in HTML</p>	
5	<p><u>Theoretical:</u> Computer Based Instruction (CBI) Simulations Animations Educational games</p> <p><u>Practice:</u> Basics of web designing editor</p>	
6	<p><u>Theoretical:</u> Computer Based Instruction (CBI) Problem Solving Software</p> <p><u>Practice:</u> Adding a content in web page</p>	
7	<p><u>Theoretical:</u> Computer Based Instruction (CBI) Designing of educational software Educational software development steps Designing of visual and auditory components Designing of text-based components Designing of graphical user interfaces (GUIs)</p> <p><u>Practice:</u> Linking in web designing editor</p>	
8	Midterm	
9	<p><u>Theoretical:</u> Computer Based Instruction (CBI) Designing Policy Web hosting and publishing on Internet</p> <p><u>Practice:</u> Working of images and videos</p>	Researching of Web hosting service companies
10	<p><u>Theoretical:</u> Distance Learning Basics of distance learning</p> <p><u>Practice:</u> Tables, CSS</p>	

11	<p><u>Theoretical:</u> Distance Learning Distance learning applications in Turkey and worldwide</p> <p><u>Practice:</u> Adding multimedia components and user interface to web page</p>	
12	<p><u>Theoretical:</u> Database Basic concepts Designing of a database Create a table Data types Data operations in a table Joining tables</p> <p><u>Practice:</u> Create a database and a table in Ms Access</p>	Researching of database concepts
13	<p><u>Theoretical:</u> Database Creating a query Adding, deleting and updating query Creating a form Controls, features and fields</p> <p><u>Practice:</u> Create a query in Ms Access</p>	
14	<p><u>Theoretical:</u> Database Creating a database for web pages</p> <p><u>Practice:</u> Linking a web page to a database</p>	
15	<p><u>Theoretical:</u> Web based distance learning</p> <p><u>Practice:</u> Web based distance learning project</p>	

Program Outcomes	Course Learning Outcomes*									
	LO1	LO2	LO3	LO4	LO5	LO6	LO7	LO8	LO9	LO10
PO 01- A basic, theoretical and practical knowledge about basic information technologies.	2	2	2	2	3	4	2	4		
PO 02- Information about design and development of hardware and software solutions.	2	2	2	2	4	4	2	4		
PO 03- Constructing and implementing identified problems and models at using use of information technology and applying of basic solution suggestions.	3	4	3	3	4	5	3	5		
PO 04- Developing software specifications defined which components.					3	4		4		
PO 05- Following current developments of information and communication technologies by awareness of lifelong learning necessity.	3	3	3	3	4	4	3	4		
PO 06- Communicating by published and visual materials developed information and communication technologies.	1	2	1	1	5	5	1	5		
PO 07- Having algorithmic though and using planning approach on their applications.		2		2	3	3		3		
PO 08- Carrying professional and ethical responsibility having professional ethics awareness about IT applications. Taking necessary cautions about information security	2	2	2	3	1	3	2	3		

* 1: Low

2: Lowest

3: Average

4: High

5: Highest



ECTS of the Course Based on Learning, Teaching and Evaluation Activities (Average Hours)

Activities	Number	Preparatory Work	Duration	Total Workload
Theory	14		0	14
Applied Course	14	4,357142857	61	14
Homework(s) / Seminar(s)	4,5	5,392857143	24,26785714	4,5
Term Assignment / Project	0,535714	0,75	0,401785714	0,535714
Application (Laboratory, Atelier, Field, Problem Based Learning - PBL)	0,928571	3,071428571	2,852040816	0,928571
Other Learning Activities	1	1,142857143	1,142857143	1
Quizzes	0,035714	0,071428571	0	0,035714
Midterm Exam(s)	1	5,25	5,25	1
Final Exam	1	6,428571429	6,428571429	1
Other Works	14	3,142857143	44	14
Total Workload (Hours)				145,3431122
Rounding [Total Workload (hours) / Weekly Workload (30)] = ECTS				4,844770408